

Venstar T2800

Venstar T2800 Commercial Platinum Slimline Thermostat User Manual

Model: T2800

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Venstar T2800 Commercial Platinum Slimline Thermostat. This device is designed for commercial applications, offering advanced programming and control features for HVAC systems.

SETUP AND INSTALLATION

The Venstar T2800 thermostat operates on 24 volts and is designed for wall-mount installation. Professional installation by a qualified HVAC technician is recommended to ensure proper wiring and system compatibility.

Wiring Requirements

- Ensure the power supply is 24 Volts.
- The thermostat is compatible with heat pump systems.
- Refer to the wiring diagram provided with the physical product for specific terminal connections.

Mounting the Thermostat

The thermostat is designed for wall mounting. Secure the backplate to the wall using appropriate fasteners, then attach the thermostat face to the backplate.



Image: Rear view of the Venstar T2800 thermostat, illustrating the mounting points and wiring terminal area. This view is crucial for understanding the installation process.

OPERATING INSTRUCTIONS

The T2800 thermostat features a large, easy-to-read backlit display and color-coded keys for intuitive operation.



Image: Front view of the Venstar T2800 thermostat, displaying the LCD screen and control buttons. This is the primary interface for user interaction.

Basic Operation

- **Temperature Adjustment:** Use the up/down arrow buttons to set the desired temperature.
- **Mode Selection:** Cycle through heating, cooling, and auto modes using the appropriate button.
- **Fan Control:** Select fan operation (Auto or On) as needed.

Programming Features

The T2800 offers 7-day programmable scheduling with up to 3 occupied periods per day.

- **7-Day Programming:** Customize temperature settings for each day of the week.
- **Smart Fan:** Optimizes fan operation for enhanced comfort and energy efficiency.
- **Occupied Periods:** Set specific temperature schedules for up to three distinct occupied periods daily.
- **Holiday Mode:** Allows for temporary programming adjustments during extended absences.

Advanced Settings

- **3 Heat/2 Cool Stages:** Supports multi-stage HVAC systems for precise temperature control.
- **3 Configurable Outputs:** Provides flexibility for various system configurations.
- **Auto Changeover:** Automatically switches between heating and cooling modes to maintain the set temperature.
- **Keypad Lock:** Prevents unauthorized changes to settings.
- **Energy Save:** Activates energy-saving temperature setpoints.
- **Fahrenheit or Celsius Display:** Select your preferred temperature unit.
- **Non-Volatile Memory:** Retains programmed settings during power outages.

Indicators

- **LED Indicator:** Glows green for cooling and red for heating.
- **Service Filter Indicator:** Notifies when the air filter requires cleaning or replacement.
- **UV Light Indicator:** Notifies when the UV light requires service.

Optional Accessories

The T2800 thermostat is compatible with several optional accessories:

- IR Remote Control Accessory
- Humidity Module Accessory
- EZ Programmer Accessory
- Comfort Call Telephone Accessory

MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your thermostat and HVAC system.

- **Air Filter:** Pay attention to the Service Filter indicator. Replace or clean your HVAC system's air filter regularly as indicated by the thermostat or manufacturer recommendations.
- **UV Light:** If your system includes a UV light, monitor the UV Light indicator and arrange for service or replacement when prompted.
- **Cleaning:** Gently wipe the thermostat's exterior with a soft, damp cloth. Avoid abrasive cleaners or solvents.

TROUBLESHOOTING

If you encounter issues with your Venstar T2800 thermostat, consider the following general troubleshooting steps:

- **No Display/Power:** Check the 24-volt power supply to the thermostat. Ensure all wiring connections are secure.
- **Incorrect Temperature Readings:** Ensure the thermostat is not exposed to direct sunlight, drafts, or other heat sources that could affect its internal sensor.
- **System Not Responding:** Verify that the thermostat is set to the correct mode (Heat, Cool, Auto) and that the fan setting is appropriate. Check for any keypad lock activation.

- **Programming Issues:** Review the programming section of this manual to ensure schedules are set correctly. Utilize the non-volatile memory feature to prevent data loss during power interruptions.

For persistent issues, contact a qualified HVAC technician or Venstar customer support.

SPECIFICATIONS

Feature	Detail
Brand	Venstar
Model Name	Commercial Platinum Slimline
Model Number	T2800
Controller Type	Application / Button Control
Special Features	Auto Changeover, Programmable, Smart Fan, Keypad Lock, Energy Save, Holiday Mode
Color	White
Specific Uses	Heat Pump
Temperature Control Type	Both (Heating & Cooling)
Connectivity Technology	Wi-Fi (via accessory)
Included Components	Temperature Sensor
Power Source	24 Volts (No batteries included/required for primary operation)
Item Weight	0.5 Pounds (approx. 8 ounces)
Display Type	LCD with Backlight
Mounting Type	Wall Mount
Product Dimensions	6.2 x 4.6 x 2 inches
UPC	609788687573

WARRANTY AND SUPPORT

The Venstar T2800 thermostat features non-volatile memory to protect your settings. For specific warranty information, please refer to the documentation included with your purchase or visit the official Venstar website. For technical support or service inquiries, please contact Venstar customer service directly.

Venstar Contact Information: Refer to the official Venstar website or product packaging for the most current contact details.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question

and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question